ABSTRACT

An organic luminescence device uses a substrate with a gas-barrier film in which a gas-barrier film containing an amorphous oxide and at least two kinds of oxides selected from the group consisting of boron oxide, phosphorus oxide, sodium oxide, potassium oxide, lead oxide, titanium oxide, magnesium oxide, and barium oxide is formed on a substrate. The selected two kinds of oxides are a combination of an oxide of an element having a large atomic radius and an oxide of an element having a small atomic radius. The substrate is made of glass or plastic. As a result, the organic luminescence device using a substrate excellent in gas-barrier capability to prevent the infiltration of oxygen, water vapor, etc. from outside is provided.